

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
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Applicant: Binz, H. <i>et al.</i>	)	Attorney Docket No. PIE1514P0182US
	)	
Serial No.: 09/679,750	)	Group Art Unit: 1645
	)	
Filed: October 8, 2000	)	Examiner: S. Devi
	)	
For: Carrier Protein Having an	)	
Adjuvant Effect, Immunogenic	)	
Complex Containing It, Process	)	
for Their Preparation, Nucleotide	)	
Sequence and Vaccine	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. §1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached form PTO-1449 be considered by the Examiner and made of record. Copies of the listed references have not been enclosed, as they were previously provided. The Examiner is invited to contact Applicant's attorney for copies of these references, if needed.

Respectfully submitted,  
WOOD, PHILLIPS, KATZ, CLARK & MORTIMER

By Martin L. Katz  
Martin L. Katz, Reg. No. 25,011

Date: April 1, 2004

Docket No. PIE1514P0182US

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE  STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	09/679,750
				Filing Date	October 8, 2000
				First Named Inventor	H. Binz, et al.
				Group Art Unit	1645
				Examiner Name	S. Devi
Sheet	1	of	2	Attorney Docket No.	PIE1514P0180US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO, A,89 05823	06/28/89			
		WO,A,92 04375	03/19/92			
		WO,A,93 14207	07/22/93			
		WO,A, 95 27787	10/19/95			
		WO 9,614,415	05/17/96	Binz et al		
Examiner Signature			Date Considered			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standards ST.16, if possible. <sup>6</sup> Applicant is to place a checkmark here if English language Translation is attached.

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Sheet	2	of	2	Attorney Docket No.	PIE1514P0180US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LAWRENCE, J.G. et al., 'Molecular and evolutionary relationships among enteric bacteria', J. of General Microbiology, vol. 137 No. 8. pgs. 1911-1921	
		HAEUW et al. Eur. J. Biochem. 255; 446-454, 1988	
		BIZZINI et al. Asian Pac. J. Allergy Immunol. 2: 144-153, 1984	
		BIZZINI et al. Biomed. Pharmacother. 46: 491-494, 1992	
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